Module 30
Moving Cranes On Site

Learning Objectives

By the end of this section, you will:

1. Know how to plan for safe movement of a crane on site.
2. Identify 8 hazards that must be avoided while moving a crane.
3. Be able to list equipment factors that should be taken into account when planning a move.
4. Know if a crane should move toward the load or away from it.
5. Be aware of what to do before traveling.
6. Know things to keep in mind while moving a crane on site.

First, verify with the manufacturer that the crane can safely travel a load.

One person must be responsible for communicating operation details with all other personnel.

Verify safety of moving with safety officials or supervisor.

Utilize a signal person, spotter or assistant while moving the crane.

Coordinate signals to be used on travel route.

Signals may be different than standard hand signals.

Travel route must be planned in advance and should be level, compact and properly graded.

Use mats or cribbing where necessary.

What are some of the hazards that must be avoided on site?

- » Power lines.
- » Other equipment.
- » Shoring.
- » Excavation.
- » Trenches.
- » Buried utilities.
- » Foundations.
- » Other potential collapse situations.

What are some of the equipment factors that should be taken into account when planning a crane traveling operation on site?

» Reduced load rating.

» Load position.

» Boom location.

» Speed of movement.

» Axle lockouts must be functioning.

Before traveling, test brakes, lock outriggers and set swing brake.

Warn personnel to stand clear of crane while traveling.

Horns	Lights	Flags	Flares
1 blast = stop 2 blasts = forward 3 blasts = reverse			

Load must be securely rigged and suitable for travel.

Load should be snubbed, lashed or restrained to machine if necessary. Empty hook shall be lashed or restrained so as to not swing freely.

Travel at low speeds and avoid sudden starts and stops.

Use tag line to control load if necessary.

If traveling on a slope, keep load on uphill side of machine.

After traveling through water or mud, inspect car body.